

Paringa Archers Newsletter



Target, Field and Indoor: 201 Reatta Rd, Trevallyn Reserve, Launceston, Tasmania
www.paringa.archerytasmania.org.au

April 2024 Newsletter

President's Notes

Club House Cleaning

It is important that members continue to clean up after themselves when they use the club facilities.

2024 Indoor Nationals to be hosted by Van Diemen Archers (VDA) at Paringa

VDA has hired the Indoor facilities as the Tasmanian location for the National and State Indoor tournament 6-7th July 2024.

Working Bee Sunday 7th April 2024

Thanks to Tony, Heather, Bella, Clint, Todd, Richard, Peter and John for all their work at the working bee. We got the range and indoor butts repaired as well as target faces sorted. The rest of the outstanding work remains for another day.



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Shooting Line Refurbish

Tony helped put down some used fire hose, donated by the Tasmanian Fire Service, to replace the perished sections on the shooting and waiting lines. Looks great.



Placement of target faces

A little trick from “windy” Burnie Archers. Placing the target faces like the one on the right, wrapped around the butt, will give them a better chance of withstanding the weather.



Club Officials course

There will be an Archery Australia (AA) Club Officials Course organised for a coming Sunday. Any member who would like to be qualified to run Fun or Club shoots should get their AA Club Officials qualification. You can also complete the course online at [Archery Australia Education \(archeryeducation.com.au\)](http://Archery Australia Education (archeryeducation.com.au)) .

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How Paringa's facilities are used

The Committee is always focused on catering to the needs of all members of the club and making sure the club is at World Archery (WA) / Archery Australia (AA) standards for competitions.

The following is a breakdown of members' activities over the last 12 months for our current 58 members. (Members may do multiple activities)

Volunteer	Indoor	Club Shoot	Fun shoot	Team Paringa	Practice
19	13	24	17	9	30

Some members may not be aware that we have members that don't shoot and contribute to the club as volunteers only. Amazing!

We also have members that only do practice, those that only turn up for an organised shoots and a small number that will have a go at everything at some stage.

Jeff Garner – president@paringaarchers.org.au

A little bit more Paringa History

The last newsletter took us up to mid 1961 with the formation of Paringa Archers and the ground at Royal Park.

Continuing in the 60's a name that was to be synonymous with the club up until the present day emerged. Many of you will have met Murray Frith, and his parents appear on the Paringa committee as early as 1963.

It was at this time that a club motto of 'Silent, Swift and True' was put forward.

Also at this time a mention of weighing bows prior to shooting at tournaments appeared. Bow inspection otherwise wasn't mentioned, but the very important morning tea at 9.30 with shooting to commence at 10am sharp was!

Remembering that target construction was still largely cardboard or low-density fibre board, it was moved at one club meeting in 1963 that wood and steel arrows be shot on separate targets. I suppose much the same as we now have bow weight restrictions on some targets. On the topic of targets, faces at this stage were still being painted on cardboard.

In August 1964 there was some doubt around the ground at Royal Park as it was believed that Rugby or Soccer were planned for the site. In sourcing new sites, by the end of 1966 a rent-free ground at the rear of

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St Leonards Hall was obtained and club room plans were being drawn up. In this year, the Northern Championships were held at this new ground with great success.

Just for interest, club fees in 1965 were sixpence (5cents)!

More on the history of the club will follow in the next newsletter, for now, if you haven't noticed it, there is also a pretty good club history section on the [Paringa web page](#).

Competition News

Paringa Indoor QRE

Once again, some really good scores shot at the latest indoor QRE. Todd is still pumping out those Elite Gold compound scores, and Trevor is certainly proving his worth with barebow recurve. Trevor's score of 506 in the WA indoor 18m round is not only a state record from the 50+ to open divisions but based on ratings scores at the time of writing this newsletter, also places him at number one nationally in 50+ and third in open. Jeff Green, too, is putting down some pretty good scores to place him at number one in the state for 60+ compound and number two nationally. Great effort everyone!

Paringa Wednesday Night Indoor

The Wednesday night shoot on April 24 saw Todd firing on all cylinders to claim yet another record. He managed back-to-back perfect 300 rounds for the Double Aus 18m Indoor. The score of 600 is a feat not many compounders can lay claim to in a formally scored event. Indeed, looking at the records on Archer's Diary a 300 round has been shot a few times in Tassie, but Todd is the first to shoot a double to claim 600. Excellent shooting!

Southern Championships

Hobart Archers held the Southern Championships over 13 and 14 April. Todd Bowerman and Jeffrey Green represented 'Team Paringa' over the two days among a field of 14 archers. Once again, some very respectable scores from both compound shooters.

Second and Fourth Saturday shoots – Paringa

The second Saturday shoot took place on April 13, with the fourth on April 27. Ten Paringa competitors turned on April 13 up to shoot various 720 rounds from 20 to 40m. Robert Curran took out the 20m round with his barebow recurve, with Roger Emery close on his heels shooting longbow.

It is interesting to note what types of bows are shot at these rounds, on the second Saturday there were 6 barebow recurves, two recurves and two longbows. Those taking part ranged in age from under 18 to 70+ proving archery really is great fun for all ages!

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Upcoming competitions

Paringa Archers will be conducting the Northern Indoor Championships on the 25th and 26th May. Registration and Info is now available here <https://account.archery.assemblesports.io/finder?id=3001375>

Burnie Archery Club will be conducting the Northwest Indoor Championships on the 22nd and 23rd June, Registration and Info is available here <https://account.archery.assemblesports.io/finder?id=3001328>

Social shoots

Monthly social shoot

On April 6, 13 turned out for the monthly social shoot. Once again everyone had a great time. The recurve and longbow shooters just managed to outnumber the barebow recurve shooters. It would have been interesting to see what class Dean would have entered in if he had registered. Due to a finger injury, he was trying a release aid with a recurve bow – from all reports not as easy as it may seem!

Mini Field April 27th

In response for a more challenging mini field event, pegs were set up for the first eleven field course targets and one on the target range with two shooting options.

Mini Field: All 12 targets shot from 10m

Mini-Plus Field: 20cm target from 5, 10 and 10m
40cm target from 10, 15 and 15m
60cm target from 10, 15 and 20m
80cm target from 10, 20 and 30m

We enjoyed a pleasant sunny afternoon with six members participating. Scores (from 12 targets for a maximum 216 points):

Mini		Mini-Plus	
Tony (Longbow)	122	Damian (Compound)	207
Paul (BB recurve)	117	Trevor (BB recurve)	158
		Yann (BB recurve)	110
		John (Longbow)	124

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We're hoping to encourage more members to use our field course.

The event is run according to WA/AA rules except for the shorter shooting distances. With the shorter distances there is less likelihood of missing and potentially losing arrows. All bow types are permitted. Any comments or suggestions on the format and frequency of the event are welcome.

John

Photos courtesy of Paul



Editor's Notes

This month includes a few interesting facts about the history of compound bows, those strange looking things with wheels, split limbs, and cables – not to mention the ability to use release aids, peep sights and magnification scopes.

The first patent for a compound bow was submitted in 1966 and the first of these bows, known as the Allen Compound Bow, came to the market in 1967. The idea was to use physics to help improve arrow speed while reducing the amount the archer had to hold at full draw.

Release aids were pretty thin on the ground in these early stages, so the use of fingers was initially common. When release aids were adopted, they were attached directly to the string. D loops for attaching release aids were not common until the 1990's. The bows were also long in length, usually well over 40 inches which still seems short compared to a 68 or 72 inch recurve or longbow, but is long compared to some of the sub 30 inch bows of today.

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Originally, compounds used multiple pulleys and four to six small round wheels to help maximise the reduction in holding weight (let off). As time went on, the number of wheels were reduced as it was discovered that axles could be placed off centre and the shape of the wheel altered to further increase let off.

When shooting bows with two wheels though, you had to ensure that the wheels were in sync with each other, otherwise arrow flight and accuracy suffered. To get around this, in 1970 Martin Archery introduced a bow called the Dynabo, which had a single cam on the lower limb, with the upper limb like a normal recurve. It took until the early 1990s for another company, Mathews Archery, to perfect the single cam bow by introducing a round wheel on the top limb and a cam on the bottom. These also eliminated the need for cam synchronisation or timing.

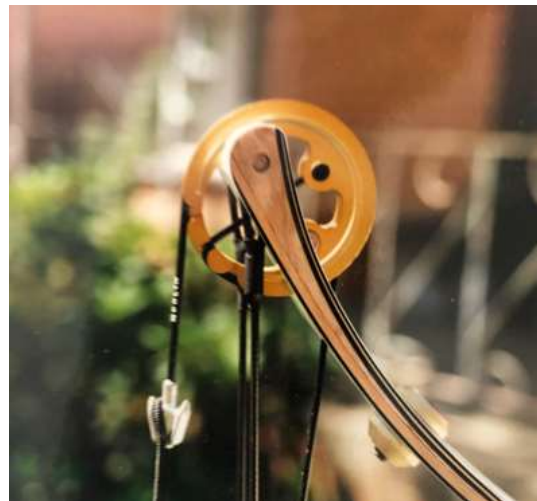
Twin cam bows remained the dominant model though. One thing that helped with the cam timing on two-wheel bows was the introduction of stronger string materials in the early 1990s. Up until this stage, cables on bows were made of steel and were of fixed lengths. They did work but needed to be accurately set up from the outset and were difficult, if not impossible to adjust. Using string materials for cables meant that twists could be added or taken away to help with cam timing. They were also somewhat safer, as steel cables held the string in place with 'teardrop' or hook shaped ends. These were not fun if they decided to break at full draw or when drawing back!



The wheel on the right is from a Pearson compound of around 1990. This shape was considered 'radical' at the time because of the egg-shaped inner cam. Compare that with a later single cam design.



A Mathews single cam bow (right) compared with a conventional 2 wheel compound (PSE)
Note also the more parallel limbs on the PSE



Compounds initially had steel cables with a metal hook/'teardrop' to hold the string

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Initially, with more than two wheels, compounds did not require cable guards. As wheels got thinner and with only one at each end of the bow, you needed a cable guard to keep the cables out of the path of the arrow. This of course also meant that as the cables were pulled sideways, different forces were placed on the limbs and wheels. Sometimes you could see wheels and limbs being twisted sideways at full draw. Some companies, particularly Martin Archery, did away with the cable guard and developed cams where the cables sat on both sides of the cam and the string in the middle, rather than the conventional way of having both cables on one side and the string on the other. This did help eliminate some of the torque at the limb tip. Most companies however, preferred some sort of yoke system to allow cables to split on either side of the cam to balance out the limbs.

Nowadays the use of split limbs prevails rather than one-piece limbs. In this way, the 4 limbs can be manufactured with different strengths to help even out any torque. One additional feature of limbs is that they are more parallel to each other rather than more vertical and recurve like. This helps make them smoother, and quicker, with less torque.

Because the holding weight of a compound bow is relatively low, torque can be a major issue with accuracy. One big thing to help reduce torque at full draw in the compound bow is the shape of bow grips. Initially compounds mimicked recurves of the time, with largish grips. Bows of today have relatively thin, straight grips to help alleviate potential left/right torque.

All in all, compounds have come a long way in a relatively short time. From heavy, cumbersome things with very little let off, they are now more streamlined, quiet, smooth to shoot, have adjustable draw lengths and weights, and can range in let off from 50 to over 90%. Add to that the use of release aids, magnifying scopes and peep sights and you have a very accurate way of shooting arrows.

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Scheduled Events

Scheduled Paringa activities						
Day	Morning	Team	Afternoon	Team	Evening	Team
1 st Wednesday			Club 90 arrow shoot	Karen Neil	Come N Try, Coaching	Jeff Garner Clint Freeman
1 st Saturday	Social shoot		Social shoot	Roger Emery Dean Emery		
2 nd Wednesday					Club Indoor 18m	Jeff Garner
2 nd Saturday	Come N Try	Alex Johnston (Dos) Trudy Johnston John Dodos Emma Hutchinson	Club 72 arrow shoot	Jeff Garner		
3 rd Wednesday					Club Indoor 18m	Jeff Garner
3 rd Saturday	Mini Clout		Mini Clout	Roger Emery Dean Emery		
	Coaching		Coaching	Jeff Garner		
4 th Wednesday					Club Indoor 18m	Jeff Garner
4 th Saturday	Come N Try	Dean Emery (Dos) Debbie Draeger Tony Delphin Brian Swinton Peter Mulholland	Club 90 arrow shoot	John Dodos		
5 th Wednesday					Club Indoor 18m	Jeff Garner
5 th Saturday			Decathlon shoot	Roger Emery Dean Emery		

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Other Calendar Events for May

All entries via Archers Diary

4 May	QRE Field	24 Marked	Van Diemen Archers
11 May	QRE Target	720 rounds	Hobart Archers
15 May	QRE Indoor	Burnie	

Clint Freeman
Strings

Clint Freeman strings are made from the highest quality products from DCY fibres. With over 20 years of stringmaking experience, Clint Freeman strings have accumulated in excess of 30 National titles, 2 World titles, multiple international podium finishes, 15 World records plus countless National and State records.

To help reduce any existing prop rotation or stretch, Clint Freeman strings are constructed under incredibly high tension.

STRINGS and CABLES

RECURVE - \$40 (made from #1127)

COMPOUND - \$40 (made from #2 and #1507)

Matchless solo-con compound string - \$40

COMPOUND STRING-CABLE SET (3 strands)
(please allow one week)

\$115

STRING/CABLE FITTING
(This includes cam timing, draw length set and centre serving to suit needs)

\$20

Colours currently available in #1127: Black
Colours currently available in #2: Black, Flu Yellow and Flu Green
Colours currently available in #1507: Black, Blue and Dark Blue

Please contact Clint Freeman by
clint.freeman@the18th.com.au or mobile: 0467299051 to discuss your string needs.

**TRAD ARCHERY SUPPLIES**

CUSTOM ARROWS Hand built for you. Custom colours. Unique designs.	CUSTOM STRINGS Finish your string. Custom loop string. High performance. BS or DS.	TRADITIONAL EQUIPMENT Shooting glove. Recurve bow. Quiver. Arrow puller. String wax.
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